



MATERIAL SAFETY DATA SHEET

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

SECTION 1 - PRODUCT IDENTIFICATION AND USE			
PRODUCT IDENTIFIER:	MAC'S MUD CLASSIC WHITE AND STUDIO WHITE POTTERY CLAY		
PRODUCT USE:	FORMING CERAMIC PRODUCTS		
CHEMICAL NATURE	BLEND OF CLAYS, SILICA, FLUXES		
MANUFACTURER:	WAIKATO CERAMICS LTD T/A MAC'S MUD CLAY COMPANY		
STREET ADDRESS:	1961 ORINI ROAD		
CITY:	TAUPIRI		
EMERGENCY TEL:	07 856 8890		

SECTION 2 - HAZARDOUS INGREDIENTS			
HAZARDOUS INGREDIENTS			
SiO ₂	CAS#14808-60-7		
Al ₂ O ₃	CAS#1344-28-1		
CaO			
MgO			
K ₂ O			
Na ₂ O			
Fe ₂ O ₃			
TiO ₂			
ASBESTOS FREE			

SECTION 3 - PHYSICAL DATA			
PHYSICAL STATE	SOLID	ODOUR & APPEARANCE	ODOURLESS/MUD CONSISTENCY. SUPPLIED AS A 10KG BLOCK OF PLASTIC CLAY
ODOUR THRESHOLD	N/A	VAPOUR DENSITY	N/A
SPECIFIC GRAVITY	N/A	VAPOUR PRESSURE	N/A
EVAPORATION RATE	N/A	FREEZING POINT	0 DEGREE CENTIGRADE
BOILING POINT	N/A	SOLUBILITY IN WATER	NONE
% VOLATILE BY VOLUME	N/A	COEFF OF WATER/OIL DISTRIBUTION	N/A
pH	NEUTRAL		

SECTION 4 - FIRE & EXPLOSION HAZARD OF MATERIAL			
FLAMMABILITY	NO	AUTOIGNITION TEMPERATURE	N/A
MEANS OF EXTINCTION	N/A	HAZARDOUS COMBUSTION PRODUCTS	N/A
SPECIAL PROCEDURES	N/A	EXPLOSION DATA	
FLASHPOINT AND METHOD	N/A	SENSITIVITY TO MECHANICAL IMPACT	N/A
UPPER EXPLOSION LIMIT % BY VOLUME	N/A	SENSITIVITY TO STATIC DISCHARGE	N/A

SECTION 5 - REACTIVITY DATA			
CHEMICAL STABILITY	YES		
NONCOMBATIBILITY TO OTHER SUBSTANCE	NO		

SECTION 6 - TOXICOLOGICAL PROPERTIES OF MATERIALS			
SKIN CONTACT	YES	INHALATION CHRONIC	YES
INHALATION ACUTE	NO	EYE CONTACT	YES
SKIN ABSORPTION	NO	INGESTION	YES
EFFECT OF CHRONIC EXPOSURE TO MATERIAL	IN A DRY POWDERED FORM PROLONG EXPOSURE TO CLAY DUST MAY CAUSE LUNG DISORDERS eg. SILICOSIS.		
LD OF MATERIAL	NOT AVAILABLE	LC OF MATERIAL	NOT AVAILABLE
EXPOSURE LIMITS	NONE	IRRITANCY OF MATERIAL	MAY CAUSE SKIN DRYNESS, EYE IRRITATION
SENSITIZATION	NOT AVAILABLE	SYNERGISTIC MATERIAL	NOT AVAILABLE
CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY, REPRODUCTIVE EFFECTS	NONE		

SECTION 7 - PREVENTIVE MEASURES - PERSONAL PROTECTION EQUIPMENT			
GLOVES	NONE	EYES	NO
RESPIRATORY	WEAR AN APPROVED RESPIRATOR WHEN WORKING WITH DRY CLAY OR WHERE MATERIAL MAY BE AIRBORNE		

ENGINEERING CONTROLS	VENTILATE WHEN AIRBORNE DUST IS PRESENT		
LEAK & SPILL PROCEDURE	USE WET MOP FOR DRY CLAY TO MINIMISE DUST. NO SPECIAL PRECAUTIONS FOR WET CLAY		
HANDLING PROCEDURE	DO NOT FREEZE	STORAGE REQUIREMENT	STORE IN SEALED PACKAGING
SHIPPING INFORMATION	DO NOT FREEZE	WASTE DISPOSAL	LANDFILL

SECTION 8 - FIRST AID MEASURES

CLAY CAN IRRITATE EYES, FLUSH WITH WATER

SECTION 9 - ADDITIONAL INFORMATION

1. Composition/Information on the components

Prepared clay bodies are a mixture of natural Minerals and may contain ball clay, china clay, ground silica (quartz), ground cristobalite and fluxes (naturally occurring felspathic material or nepheline syenite).

2. Health Hazard Identification

As supplied in the pugged or press-cake form, the product does not present a significant health hazard.

If the product is allowed to dry, any powder product generated is hazardous to health by inhalation. Excessive and repeated inhalation of silica and feldspars over a prolonged period can cause chronic lung damage.

Product in the plastic form is not classified as dangerous for labelling purposes

3. First Aid Measures

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention

Ingestion: Do not induce vomiting. Rinse mouth with water and give 200-300ml (half a pint) of water to drink (provided the patient is conscious)

Eyes Irrigate with clean water for 15 minutes and seek medical assistance

Skin Remove contaminated clothing. Wash with soap and water. Seek medical advice if any irritation persist.

4. Fire Fighting Measures

The product is not combustible or explosive. It is compatible with all standard fire-fighting techniques (eg use of water, carbon dioxide, dry powder, sand and chemical foam extinguishers).

5. Exposure Control/Personal protective Equipment

Engineering controls: If necessary, local exhaust ventilation should be provided to minimise inhalation (dry powder products).

Suppress dust using water.

Personal protective equipment/respiratory protection: Use a respiratory device for dust if engineering controls do provide adequate protection.

Use a respirator that fully protects the person, conforms with AS/NZS 1716 and is selected in accordance with Standard AS/NZS 1715.

Hand/skin protection:

Overalls (which do not retain dust)

Gloves (of skin contact is persistent)

Eye Protection: Safety glasses or goggles (to BS2092) recommended if contact with eyes is possible.

Reviewed 14 July 2023